

# Addition

## Add numbers with up to 3-digits

Introduce the **expanded column addition** method:

$$\begin{array}{r} 236 \\ + 73 \\ \hline 100 \\ 200 \\ \hline 309 \end{array}$$

Add the **units** first, in preparation for the compact method.

In order to carry out this method of addition:

- Children need to recognise the value of the hundreds, tens and units without recording the partitioning.
- Pupils need to be able to add in columns.



## Year 6 Add several numbers of increasing complexity

$$\begin{array}{r} 23.361 \\ 9.080 \\ 59.770 \\ + 1.300 \\ \hline 93.511 \\ 212 \end{array}$$

Adding several numbers with different numbers of decimal places (including money and measures):

- Tenths, hundredths and thousandths should be correctly aligned, with the decimal point lined up vertically including in the answer row.
- Zeros could be added into any empty decimal places, to show there is no value to add.

Empty decimal places can be filled with zero to show the place value in each column.

$$\begin{array}{r} 81,059 \\ 3,668 \\ 15,301 \\ + 20,551 \\ \hline 120,579 \\ 1111 \end{array}$$

Adding several numbers with more than 4 digits.